END TERM EXAMINATION

THIRD SEMESTER [BCA] DECEMBER-2015

Paper Code: BCA-205   Subject: Front End Design Tools VB. Net

Time: 3 Hours   Maximum Marks: 75

Note: Attempt any five questions including Q.no.1 which is compulsory.
Select one question from each unit.

Q1   Attempt **any ten** of the following:-   (2.5x10=25)
(a) Write the syntax of Messagebox.show () method.
(b) Explain the Framework Class Library.
(c) Explain 2-tier client server architecture.
(d) What is the role of Garbage Collector?
(e) Write various components of IDE of Visual Studio 2010.
(f) Write various methods of Array class.
(g) Differentiate between Checkbox and Radio-Button control.
(h) List various properties of Form control.
(i) Explain Namespace.
(j) Differentiate between ADO and ADO.Net.
(k) What is the use of Crystal Reports?
(l) Explain constructor.

UNIT-I

Q2   (a) Explain .Net Framework Architecture along with its various components.   (7.5)
(b) Explain Exception Handling techniques with suitable examples.   (5)

Q3   (a) What is Code Access Security?   (2.5)
(b) What is Assembly? Explain its structural and Role.   (5)
(c) Explain CLR and CTS.   (5)

UNIT-II

Q4   (a) Explain the syntax of three looping structure with examples.   (5)
(b) Write a program to find number of digits and sum of digits in a given number.   (5)
(c) Write all primitive datatypes with their size in visual basic 2010.   (2.5)

Q5   (a) What is procedure? Explain different types of procedures in Visual Basic 2010.   (5)
(b) Explain Optional argument and Paramarray argument.   (2.5)
(c) Differentiate Arraylist with from array. Write a program to demonstrate the use of various functions of Array List.   (5)
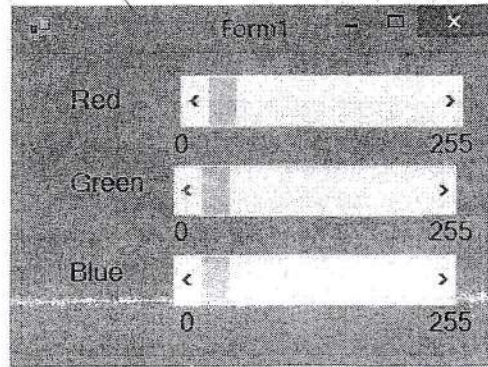
UNIT-III

Q6   (a) Explain the use of various access specifiers.   (2.5)
(b) Define class and Object? Differentiate overriding and Overloading with suitable example.   (5)
(c) Explain the working of List View control.   (5)

Q7   (a) Write a program that has GUI as given below. Each scroll bar represents value from 0 to 255 of Red, Green and Blue color respectively. It should change the back color of form as the color made by combining values of three scrollbars whenever any of the scrollbar is scrolled.   (5)

P.T.O.

BCA-205
P.1/2

(b) Explain the Common dialog Controls and their properties. **(5)**

(c) Explain various properties of Textbox Control. **(2.5)**

UNIT-IV

Q8 (a) Write a program that connects to a database and display the records of a table in a datagrid control. the table is as follows:- Product (P_ID, P_Name, P_Price). **(5)**

(b) Explain different sections of a Crystal Report. **(5)**

(c) Write note on Data Reader. **(2.5)**

Q9 (a) Write a program that uses ADO. Net to connect to database and have buttons to add new record, to display current record, to move to next previous record and to delete a record. Record should be displayed in text boxes. The table is as follows: Student (St_ID, St_Name, St_Course). **(7.5)**

(b) Write short note on the following:- **(5)**

(a) Data Binding

(b) Dataset

(c) Data Adapter

****

BCA-205

P2/2